

Curriculum Vitae of Prof. Vasantha Mittapelli

Professional Details

Name of the Teacher	: Prof. Vasantha Mittapelli
Educational Qualification	: M.Sc., Ph.D.
Present Position	: Principal, University College of Science, Mahatma Gandhi University, Nalgonda
Date of Promotion as a Professor	: 01-10-2015
Research Area of Interest	: Bioactive nitrogen Heterocycles, Biofuels, Nano Chemistry and Environmental Chemistry
Research Experience	: > 32 Years
Teaching Experience	: > 17 Years
Industrial Experience	: ~ 9 Years
No. of Ph.D. Students Guided	: 2
No. of P.G Dissertations Guided	: 11
No. of Research Scholars working for Ph.D.	: 4
No. of Research Publications	: 39
No. of Books Published	: 1
No. of Book Chapters Published	: 1
No. of Seminars/Conferences Organized	: 15
No. of Posters Presented/Attended in Conferences	: 9
No. of Projects Completed	: 3
Citations	: 250
h Index	: 7
i10 Index	: 7
Vidwan-ID	: 485297
ORCID-ID	: 0000-0002-0029-7815
Scopus-ID	: 58869985200; 20735066700 55782680400
Google scholar-ID	: oU-79t0AAAAJ
Researcher-ID	: LFR-6331-2024

Personal Details

Date of Birth : 6th August 1968
Address for Communication : Department of Chemistry
University College of Science
Mahatma Gandhi University,
Anneparthi, P O. Yellareddyguda
Nalgonda – 508 254
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Educational Profile:

Ph.D. 2001 Awarded in Organic Chemistry, Department of Chemistry, University College of Science, Osmania University, Hyderabad
Thesis Title “Studies on Bio-active nitrogen heterocycles: Synthesis of quinazolinonyl- β -lactams, imidazolidinones and quinazolinones”
GATE 1994 Percentile 87.99
M.Sc. 1993 Organic Chemistry, Department of Chemistry, University College of Science, Osmania University, Hyderabad
B.Sc. 1990 Chemistry, Botany, Zoology, Osmania University, Hyderabad

Professional Experience

1. Presently working as **Professor** in Mahatma Gandhi University, Nalgonda since October 1, 2015
2. Worked as Associate Professor in Mahatma Gandhi University, Nalgonda from April 12, 2012 to September 30, 2015
3. Worked as R&D Executive to Senior Manager (R&D) in Mylan Laboratories Limited, Hyderabad from May 22, 2003 to April 11, 2012
4. Worked as a Lecturer in Department of Chemistry, P.G. Section, N.B. Science College, Hyderabad, from December 6, 1999 to May 21, 2003

Research Fellowships:

1. Junior Research Fellowship awarded by University Grants Commission, New Delhi during 1994-1996
2. Senior Research Fellowship awarded by University Grants Commission, New Delhi during 1996-1999

Academic & Administrative Experience

1.	Principal, University College of Science, Mahatma Gandhi University since December 24, 2025
2.	Dean, Faculty of Science, Mahatma Gandhi University from February 01, 2024 to January 31, 2026
3.	Chairperson, Committee for verifying the requirements and to prepare for approval of PCI to start B. Pharmacy course on the campus
4.	Chairperson, Committee for fixing the budget and remuneration for academic and financial related meetings
5.	Dean I/c, Faculty of Engineering and Technology, Mahatma Gandhi University from 06.05.2025 to 11.06.2025.
6.	Chairperson, Internal Cell Committee, MGU from 06.03.2025 for a period of two years
7.	Chairperson, Outcome Based Education Committee dt. 10.12.2024
8.	Chairperson, Business Chair (MSN Group) from 10.10.2022 for a period of five years.
9.	Dean, College Development Council, Mahatma Gandhi University from July 30, 2021 to 16.03.2022
10.	Director, Academic Audit Cell, Mahatma Gandhi University from July 19, 2021 to 16.03.2022
11.	Chairmen, Board of Studies, Department of Chemistry and Pharmaceutical Sciences, University College of Science & Informatics, Mahatma Gandhi University, Nalgonda from July 11, 2019 to September 15, 2021
12.	Regional Coordinator for TS-SET 2017 & TS-SET 2018 and Local coordinator for TS-SET 2019 -Nalgonda Region
13.	Principal, University College of Science and Informatics, Mahatma Gandhi University from December 23, 2016 to December 27, 2018
14.	Dean, College Development Council, Mahatma Gandhi University from March 19, 2015 to June 5th, 2017
15.	Head, Department of Chemistry & Pharmaceutical Sciences, University College of Science & Informatics, Mahatma Gandhi University from May 16, 2014 to August 06, 2015
16.	Head, Department of Chemistry, University College of Science & Informatics, Mahatma Gandhi University from May 6, 2013 to May 15, 2014
17.	In-charge Head, Department of Chemistry, University College of Science & Informatics, Mahatma Gandhi University from August 23, 2012 to May 05, 2013
18.	Member, Board of studies for Integrated Pharmaceutical Chemistry, Department of Chemistry and Pharmaceutical Sciences, University College of Science & Informatics, Mahatma Gandhi University, Nalgonda (Two terms)

19.	Member, Board of studies for Undergraduate and Postgraduate, Department of Chemistry, University College of Science & Informatics, Mahatma Gandhi University, Nalgonda
20.	Member, Board of Studies for Industrial Chemistry, Nagarjuna Government College, Nalgonda
21.	Member, Board of Studies for Chemistry, Government Degree College for Women, Begumpet, Hyderabad
22.	Governing Body member and Selection Committee member for several Affiliated Colleges of Mahatma Gandhi University
23.	External examiner for Osmania University, Telangana University, Satavahana University, Kakatiya University etc.
24.	Observer and Special observer for various National/State level examinations

Research Projects Completed

S. No.	Title of the Project	Funding Agency	Duration	Amount (Rs.)
1.	The peroxidase-like activity of Butea Monosperma reduced/stabilized palladium nanoparticles and its analytical application for colorimetric detection of glucose in biological samples	MSN Laboratories Private Limited	2023-24 (6 months)	30,000
2.	Phytoremediation of fluoride: Optimization, validation and statistical modeling for mitigation of fluorosis	DST- TSCOST	2021-22 (1 Year)	50,000
3.	Genetic Engineering approaches for redirecting metabolism towards hydrogen production in purple non sulphur phototropic bacterium Rhodobacter sphearoids	Department of Biotechnology New Delhi	2013-16 (3 Years)	28,40,000

Ph. D. Guided

S. No	Name of the candidate	Title of the thesis	Year of award
1.	V. Parusharam	Studies on bioactive nitrogen heterocycles: Synthesis and biological evaluation of tetrahydropyrido [3,4- <i>d</i>]pyrimidines and imidazo[4,5- <i>d</i>]pyrimidines	2025 (07.04.2025)
2.	Ms. K. Aruna Kumari	Green synthesis of Metal Nano Particles and their applications in Environmental Remediation	2023 (12.10.2023)

Research Scholars Working for Ph. D

S. No.	Name of the Candidate	Title of the Thesis	Academic year of registration (Date of Joining)
1.	Ms. K. Divya	Studies on bioactive nitrogen heterocycles: Synthesis and biological activity of (oxazol-2-yl)pyrimidine analogues.	2018-19 (16.07.2019)
2.	Ms. Shaik Khaja Bee	Synthesis of biological active nitrogen Heterocycles: Synthesis of bioactive benzodiazepines	2021-22 (13.09.2022)
3.	Ms. Miryala Anitha	Studies on bioactive nitrogen heterocycles: Synthesis of bioactive indoliny quinazolin-4(3H)-ones	2021-22 (12.09.2022)
4.	Ms. N. Himaja	Studies on bioactive nitrogen heterocycles: Synthesis and biological evolution of heteryl substituted tetrahydro-pyrido[3,4-d]pyrimidines	2023-24 (19.10.2024)

Awards & Honours

1. Certificate of appreciation by Mahatma Gandhi University, 2016
2. Associate Fellow, Telangana Academy of Sciences, 2016
3. Reviewer- Elsevier Editorial System, Journal of Heterocyclic Chemistry, Wiley-VCH etc.
4. Editorial Board Member, European Journal of Biomedical and Pharmaceutical Sciences

Membership in Professional Bodies

1. Life Fellowship - 2024-LF/8791, Indian Chemical Society
2. Life Fellowship - LF1889, Indian Council of Chemists
3. Life Member - L44856, Indian Science Congress Association

Professional Skill Set

- More than 32 years of research experience in synthesis of organic compounds.
- More than 16 years of teaching experience to PG Students.
- 126 Impurities Isolated/ Synthesized for 35 APIs.
- Expertise in process development of active pharmaceutical ingredients.
- Expertise in the synthesis of organic compounds by using Microwave Synthesizer.
- Purification of compounds in Flash Chromatography.
- Planning synthetic routes for the synthesis of unknown compounds with help of LCMS data.

PG Dissertations Guided

S. No	Name of the candidate	Title of the Dissertation	Year of award
1.	K. Saidulu, H. Thabassum, B. Tulasi Chaitanya	Working on Molecular Docking	2026
2.	Y. Navaneetha	Working on project	2026
3.	P. Srinivas, K.Sravani, M. Ashwini, B. Myna, K. Gayithri Kumari,	Applications and medicinal uses of Azadirachta Indica	2025
4.	T. Dileep Kumar	Synthesis of various isatin derivatives	2025
5.	T. Manasa	Visible-Light-Induced Tandem Cyclization of 1,7-Enynes to Access Phenanthridin-6(5H)-Ones Using a Polydimethylsiloxane (PDMS) Based Micro reactor	2025
6.	Ms. Y. Navya	Efficient synthesis of nitroso related impurities in varenicline tartrate	2024
7.	Mr. J. Dileep	Synthesis of fmoc-asp(otbu)-gly-ohan intermediate compound of peptide molecule	2024
8.	Mr. K. Naresh	Synthesis and optoelectronic properties of tetraphenylethylene based Donor - Acceptor systems	2024
9.	Ms. Dhanavath Anitha	Synthesis of a new scaffold that has pharmacophore properties	2023
10.	Ms. Gujjeti Shireesha	Synthesis of venetoclax an intermediate bromobiarylether	2023
11.	Mr. Adla Ganesh	Synthesis of compound. 4-fluoroisoquinoline an intermediate, for the synthesis of Repasudil	2023
12.	Ms. B. Sravanthi	Bioactive nitrogen heterocycles	2017

Seminars/Conferences Organized

1. The “Manne Achi Reddy memorial lecture” was held on “An Overview Of Medicinal Chemistry Research in India” by Prof. A. Raghurama Rao (retd), Kakatiya University on November 24, 2025 at Seminar Hall, University College of Science, MGU.
2. The Seminar entitled “Recent Advances in Pharmaceutical Chemistry-2025” was held on March 22nd, 2025 at the Mahatma Gandhi University, Nalgonda.
3. The “Manne Achi Reddy Memorial lecture” was held on “Engineering onion for the production of neutraceutical resveratrol and chemical synthesis of its bioactive analogs using green synthesis” by Prof. V. Dashavantha Reddy (Retd), CPMB, Osmania University on November 08, 2024 at Seminar Hall, University College of Science, MGU.
4. The National conference titled “Recent Trends and Challenges in Chemical Sciences-2024” was held on February 24th, 2024 at the Mahatma Gandhi University, Nalgonda.
5. The “Manne Achi Reddy Memorial lecture” was held on “Spectra and molecular structure” by Prof. Shivaraj (Retd), Department of Chemistry, Osmania University on February 17th, 2024 at the Department of Chemistry, Mahatma Gandhi University.
6. The National conference entitled “Recent Trends and Challenges in Chemical Sciences-2023” was held on March 2nd 2023 at the Mahatma Gandhi University, Nalgonda.
7. The “Manne Achi Reddy Memorial lecture” was held on “molecular pruning” by Prof. PSN Reddy (Retd), Department of Chemistry, Osmania University on February 6th, 2023 at the Department of Chemistry, Mahatma Gandhi University, Nalgonda
8. Two-day Faculty development program on “Teacher Effectiveness” during December 18 – 19, 2017 in association with Telangana Academy for Skill and Knowledge
9. One day seminar on Relevance of Science and Technology in Rural Development on December 11, 2017 in association with Indian Science Congress Association Hyderabad Chapter
10. One day National Conference on “Recent Trends in Science” on February 28, 2017
11. One day Orientation Seminar on “Gender Sensitization” on October 24, 2016
12. One day Orientation Seminar on CSIR-UGC JRF/NET on September 15, 2015
13. One day National Seminar on Emerging Trends and Challenges in Chemical Research on February 14, 2015
14. One day national seminar on Recent Trends and Advances in Pharmaceutical sciences on February 12, 2015
15. One day program on Chemistry Competitions-Essay Writing, Elocution and Quiz by Royal society of Chemistry (London), Deccan Section, in association with Mahatma Gandhi University on February 28, 2014.

Posters Presented/Attended in Conferences/Seminars

1. Poster entitled “Vilsmeier-Haack formylation and acetylation reactions-Acetanilides under solvent free conditions-A mortar pestle reaction” presented during two-day national seminar on Advances in Chemical Research (ACR-19) during March 29 – 30, 2019 in the Department of Chemistry, Kakatiya University
2. Poster entitled “Synthesis of Resveratrol” presented during two-day national seminar on Recent Challenges in Chemical Research during April 6 - 7, 2018 in the Department of Chemistry, Kakatiya University
3. Participated in the two days Workshop on “Curriculum Development for/with Faculty” held during December 11 - 12, 2017 organized by National Council of Rural Institutes
4. Participated in the deliberations on “Curriculum Development on Rural Community Engagement of Students” during June 23- 24, 2017
5. Poster entitled “Synthesis of benzimidazole derivatives” presented during two-day national seminar on Recent trends and challenges in Chemical Sciences during March 24 - 25, 2017 in the Department of Chemistry, Kakatiya University
6. Poster entitled “Biological hydrogen production: Current prospects and Challenges” presented during one day national conference on Recent Advances in the Biotechnology on March 19, 2015
7. Poster entitled “Microcell mediated selective bromination of aromatic compounds using NBS under conventional and solvent-free conditions” presented during two-day national conference on New vistas of chemistry: An interdisciplinary approach during March 11 - 12, 2015
8. Poster entitled “Biological Hydrogen production by purple non sulphur phototropic bacteria: prospects and challenges” presented for Two days International Conference Global Meet of Biologists & Satellite Conference on 2012.Vector Control and Management: Present status and future strategies during December 26 - 28, 2012
9. Participated as Volunteer in 85th session of Indian Science Congress during January 3 - 7, 1998 at Osmania University, Hyderabad

Refresher Courses Completed

1. Completed the “Online refresher course in chemistry for higher education faculty” with “A” grade in the proctored examination held on 16.02.2020 by online Annual Refresher Programme in Teaching (ARPIT), MHRD, Govt of INDIA using MOOCs platform SWAYAM.
2. Completed the “Online refresher course in chemistry for higher education faculty” with “A” grade in the proctored examination held on 30.03.2019 by online Annual Refresher Programme in Teaching (ARPIT), MHRD, Govt of INDIA using MOOCs platform SWAYAM

Conferences / Workshops Attended

1. XXIV NOST Organic Chemistry Conference, 3rd March - 6th March 2025 at Agra
2. National workshop in bioinformatics and drug discovery during December 26 – 31, 2014 at Osmania University, Hyderabad
3. National workshop on modern instrumental methods of inorganic chemical analysis of engineering materials during December 22 - 26, 2013 at National Institute of Technology, Warangal
4. Five-day Workshop on Patent Fundamentals and Practices during May 14 - 18, 2010 at Academy of Intellectual Property Studies, Mumbai.
5. Advanced Patent Drafting Workshop during October 5 - 6, 2009 at National Academy of Agriculture Research Management (NAARM), Hyderabad.

Extra Activities

1. Participated in NSS programme for urban slum upliftment-mass literacy campaign and socio-economic survey during the special winter camp held in the month of January 1990 at B. Lingampally slums, NTR Nagar and surrounding areas.

Resource person:

1. Delivered a lecture in the National Institute of Social Defense, New Delhi sponsored awareness programme to international day against Drug Abuse and Illicit Trafficking on 10.10.2017 in Mahatma Gandhi University.

Research Publications of Prof. Vasantha Mittapelli

1. **Vasantha Mittapelli**, Narasimha Reddy Parine, Ramchander Merugu: Determining the anti-inflammatory and antioxidant potentials of 4(3*H*)-quinazolinones through computational and experimental approaches. *Rasāyan J. Chem.*, Vol 19, No. 2, 2026, **Accepted, RJC-9578, Impact Factor. 0.485**, ISSN 0974-1496. (Rasayan Journal of Chemistry, c/o Dr. Pratima Sharma).
2. Divya Komirishetti, Ramchander Merugu, Rasam Savitha, **Vasantha Mittapelli**, Discovery and Evaluation of Oxazole-Pyrimidine-Isoquinoline Amides as Anticancer Leads, *Chemistry and Biodiversity*, 2025, e01905. **Impact factor-2.5**, ISSN:1612-1872, (John Wiley & Sons). <http://doi.org/10.1002/cbdv.202501905>.
3. Parusharam Varikuppla, and **Vasantha Mittapelli**, 5,6,7,8-Tetrahydropyrido[3,4-*d*]pyrimidines: A recent perspective on synthesis and bioactivity. *Rasāyan J. Chem.*, Vol 18, No. 4, 2025, 1959-1971. **Impact Factor. 0.485**, ISSN 0974-1496. (Rasayan Journal of Chemistry, c/o Dr. Pratima Sharma). <http://doi.org/10.31788/RJC.2025.1849421>.
4. Parusharam Varikuppla, Midhun Sai Krishna Adusumalli, Ramchander Merugu, **Vasantha Mittapelli**, Synthesis, biological evaluation and molecular docking studies of (*S*)-*N*, *N*-dibenzyl-9-(pyrrolidin-3-yl)-9*H*-purin-6-amine analogues as anti-inflammatory agents, *ChemistrySelect*, 2025, 10, e00192. **Impact factor-2.0**, ISSN: 2365-6549 (**Wiley-VCH**). <https://doi.org/10.1002/slct.202500192>
5. Divya Komirishetti, Tasqeeruddin Syed, **Vasantha Mittapelli**, Synthesis and biological evaluation of chalcone derivatives of oxazole-pyrimidines as Anticancer Agents. *Results in Chemistry*, 2025, 15, 102294. **Impact factor 4.2**, ISSN: 2211-7156 (**Elsevier**). <https://doi.org/10.1016/j.rechem.2025.102294>
6. Divya Komirishetti, **Vasantha Mittapelli**, Synthesis and biological evaluation of 4-(1*H*-imidazol-2-yl)-2-(pyrimidin-5-yl)oxazoles as potent anticancer agents, *Results in Chemistry*, 2025, 13, 101938. **Impact factor 4.2**, ISSN: 2211-7156 (**Elsevier**). <https://doi.org/10.1016/j.rechem.2024.101938>.
7. Kotha Aruna Kumari, Varikuppla Parusharam, **Vasantha Mittapelli**, The peroxidase-like activity of buteamonosperma reduced/stabilized palladium nanoparticles and its analytical application for colorimetric detection of glucose, *Asian Journal of Green Chemistry*, 2025, 9, 15-31, ISSN:2588-5839 (Sami Publishing Company) **DOI:10.48309/AJGC.2025.476754.1551**.
8. Madhusudhan Gutta, Nandigama Chakradhar, Chandramohan Kotte, Kishore Kokkula and **Vasantha Mittapelli**, Potential process related substance of Atorvastatin Calcium: Identification, synthesis and spectral characterization including control strategy, *Rasayan J. Chem*, 2024, 17(4), 1573-1578. **Impact Factor. 0.485**, ISSN 0974-1496. (Rasayan Journal of Chemistry, c/o Dr. Pratima Sharma). <http://doi.org/10.31788/RJC.2024.1748984>

9. Varikupla Parusharam, Kotha Aruna Kumari, Sai Charitha Mullaguri, Rama Krishna Kancha, Ramchander Merugu, **Vasantha Mittapelli**. Design, synthesis, characterization, molecular docking studies and biological evaluation of 5, 6, 7, 8-tetrahydropyrido[3,4-*d*]pyrimidine derivatives as antimicrobial agents, *Chemical Data Collections*, **2024**, 101158 (Elsevier), **Impact factor 2.7**, ISSN 2405-8300. <https://doi.org/10.1016/j.cdc.2024.101158>
10. V Parusharam, K Aruna Kumari, Sai Charitha Mullaguri, Rama Krishna Kancha, **Vasantha Mittapelli**, Synthesis, biological evaluation and molecular docking studies of tetrahydropyrido[3, 4-*d*]pyrimidine derivatives as anti-leukemic agents, *Results in Chemistry*, **2024**, 8, 101554, **Impact factor 4.2**, ISSN: 2211-7156 (Elsevier). <https://doi.org/10.1016/j.rechem.2024.101554>
11. K. Aruna Kumari, G. Bhagavanth Reddy, V. Ramadevi, **Vasantha Mittapelli**. Platycladus orientalis mediated green synthesis of crystalline palladium nanoparticles as a potential and promising nano catalyst in the degradation of dyes for mitigation of environmental pollution, *Inorganic and Nano-Metal Chemistry*, **2024** (Feb), (Taylor & Francis), **Impact factor 1.6**, Print ISSN: 2470-1556 Online ISSN: 2470-1564. <https://doi.org/10.1080/24701556.2024.2313225>.
12. K. Aruna Kumari, G. Bhagavanth Reddy, T. Vishnu, **Vasantha Mittapelli**, Sustainable green synthesis of silver nanoparticles using Chloris Barbata leaf extract with its bioactivity against multidrug resistant bacterial strains and as an antioxidant agent, *Materials Today: Proceedings*, **2023**, 92, 586-593(Elsevier). **Impact factor 1.9**, ISSN: 2214-7853. <https://doi.org/10.1016/j.matpr.2023.04.006>
13. K Aruna Kumari, G Bhagavanth Reddy, **M Vasantha**. Microwave Assisted Synthesis of Gold Nanoparticles with Phyla nodiflora (L.) Greene leaves extract and its Studies of Catalytic Reduction of Organic Pollutants. *Materials Today: Proceedings*, **2020**, 27, 1449-1454 (Elsevier). **Impact factor 1.9**, ISSN: 2214-7853. <https://doi.org/10.1016/j.matpr.2020.02.877>.
14. Swetha Garimella, Narasimha Reddy Parine, **Vasantha Mittapelli**, Ramchander Merugu, "Hydrogen production from hup-Rhodobactersphaeroides isolated from sewage water, Nalgonda, Telangana State of India", *Natl. Acad. Sci. Lett.* **2020**, 43, 141–143 (Springer), **Impact factor 1.3**, ISSN: 0250-541X. <https://doi.org/10.1007/s40009-019-00823-z>.
15. **Vasantha Mittapelli**, Nageswar Rao Challa, Venkateswara Rao Vallu, Pratap Reddy Padi, Mahesh Reddy Ghanta. Synthesis of 1-[4-(6,7-dihydro-4H-thieno[3,2-*c*]pyridin-5-ylmethyl)-biphenyl-2-ylmethyl]-5-methyl-1*H*-[1,2,3]-triazole-4-carboxylic acid amide derivatives and evaluation of their platelet aggregation inhibition activity. *International Journal of ChemTech Research*, **2018**, 11(2), 147-154. ISSN No. 0974-4290. DOI=<http://dx.doi.org/10.20902/IJCTR.2018.110218>
16. Mahendar Gantala, Mahesh Reddy Ghanta and **Vasantha Mittapelli**, Computer Aided Reverse Docking studies on bioactive benzofurans as potential antitubercular agents. *International Journal of Pharmaceutical Research and Bio Science*, **2017**, 6(2), 25-38. **Impact factor 1.8**, ISSN : 2277-8713.
17. Mahendar, R Mahesh, **M Vasantha**. A facile synthesis and in vitro biological evaluation of substituted benzofurans as antitubercular agents. *World Journal of Pharmaceutical Research*, **2017**, 6 (2), **Impact factor 0.341**, 1392-1411. ISSN: 2277-7105.

18. Swetha Garimella, Vasavi Dathar, **Vasantha Mittapelli**, Ramchander Merugu. Photoproduction of hydrogen by anoxygenic phototrophic consortium isolated from pharmaceutical industrial effluents. *International Journal of MediPharm Research*, **2016**, 2(2), 113-117. ISSN 2395-423X.
19. **Vasantha Mittapelli**, Nageswar Rao Challa, Venkateswara Rao Vallua, Pratap Reddy Padi, Mahesh Reddy Ghanta. Synthesis and biological evolution of novel 2-[4'-(6,7-dihydro-4H-thieno[3,2-c]pyridin-5-ylmethyl)-biphenyl-2-yl]-4-methyl-thiazole-5-Carboxylic acid derivatives as antiplatelet agents. *European journal of biomedical and pharmaceutical sciences*, **2016**, 3 (4), 590-595. ISSN 2349-8870.
20. Garimella Swetha, **Mittapelli Vasantha**, R. Roopa, Harold Sabina, Merugu Ramchander, Optimization of cultural conditions for hydrogen production by photosynthetic bacteria isolated from sewage water, Nalgonda, Telangana, *Journal of Chemical and Pharmaceutical Research*, **2015**, 7(10), 75-78, , ISSN : 0975-7384.
21. Swetha Garimella, **Vasantha Mittapelli**, R. Roopa, Sabina Harold and Ramchander Merugu, Photoproduction of hydrogen by anoxygenic phototrophic consortium isolated from Bhima Amarja River, Karnataka. *Journal of Chemical and Pharmaceutical Research*, **2015**, 7(9):813-816, ISSN: 0975-7384.
22. **Vasantha Mittapelli**, Satyanarayana Reddy Padala, Synthesis and anti-diabetic activity of some 3- methylquinazolin-4(3H)-one derivatives. *International Journal of ChemTech Research*, **2014**, 6(14), 5647-5652, ISSN No. 0974-4290.
23. **Vasantha Mittapelli**, A review on 2-heteryl and heteroalkylquinazolin-4(3H)-ones: Part-II, *Der Pharma Chemica*, **2014**, 6(5), 272-319, ISSN 0975-413X
24. Ramchander Merugu, **Vasantha Mittapelli**, Pratap Rudra Manthur Padigya, Girisham Sivadevuni, Reddy Solipuram Madhusudhan. Photoproduction of Hydrogen by Alginate Immobilised Cultures of *Rhodobactercapsulatus* KU002 Isolated from Tannery Effluents. *Journal of Biofuels*, **2013**, 4(2), 56-60. ISSN: 0976-3015
25. **Vasantha Mittapelli**, Sivalakshmi A. Devi, Lakshmanarao Vadaliand Suryanarayana Mulukutla. Identification, isolation, synthesis and characterization of an impurity in quetiapine bulk drug substance. *International Journal of ChemTech Research*, **2013**, 5(5), 2216-2220, ISSN No. 0974-4290.
26. **Vasantha Mittapelli**, Lakshman Rao V, Srinivasa Rao Y, Sivalakshmi Devi. A, and Venkat Suryanarayana M, Synthesis/Isolation of darifenacinhydrobromideby-products, *Indian Journal of Chemistry*, **2013**, 52B(6), 824-828. **Impact factor 0.456**, ISSN No. 0376-4699.
27. **Vasantha Mittapelli**, N Ram Reddy, and P Pratap Reddy. Synthesis of novel fused pyrazolo[4,3-d][1,2,3]triazin-4-ones: Application of diazonium ion induced heterocyclisation in the synthesis of novel heterocycles. *International Journal of Biological and Pharmaceutical Research*, **2013**, 4(8), 592-97. **Impact factor 1.34**. ISSN No. 0976-3651.
28. Ramchander Merugu, **Vasantha Mittapelli**, M.P. Pratap Rudra, S. Girisham, S.M. Reddy. Photoproduction of Hydrogen by Alginate Immobilized *Rhodobacter capsulatus* KU002 under Sulphate and Phosphate Limitations. *International Journal of Environment and Bioenergy*, **2012**, 4(3), 141-146. ISSN No. 2165-8951.

29. **Vasantha Mittapelli**, Sivalakshmi Devi. A, and Suryanarayana M. Isolation/Synthesis, Characterization & Potential Impurities of Antifungal Drug, Fluconazole, *Asian Journal of Biochemical and Pharmaceutical Research*, **2011**, 4(1), 201-206.
30. **Vasantha Mittapelli**, Lakshmanarao Vadali, Sivalakshmi Devi. A, and M. V. Suryanarayana. Identification, Isolation, Synthesis and Characterization of Principal Oxidation Impurities in Quetiapine, *Rasayan Journal of Chemistry*, **2010**, 3(4), 677-680. **Impact factor 0.808**, ISSN No. 0974-1496.
31. **Vasantha Mittapelli**, V.D Reddy, P S N Reddy, Antibacterial, antifungal and antifeedant activity of quinazolinonyl- β -lactams/ quinazolinones and bis(quinazolinonyl- β -lactams), *Rasayan Journal of Chemistry*, **2010**, 3(4), 635-640. **Impact factor 0.808**, ISSN No. 0974-1496.
32. **Vasantha Mittapelli**, Purna.C.RayYogendra Kumar Chauhan, Debashish Datta. N-Desmethyl triptans: One pot and an efficient synthesis of *N*-methyl-2-5-[substituted-1*H*-indole-3-yl]ethanamines, *Indian Journal of Chemistry*, **2009**, 48B(4), 590-594. **Impact factor 0.456**, ISSN No. 0376-4699.
33. Purna.C.Ray, **Vasantha Mittapelli**, Yogendra Kumar Chauhan, Omdutt Tyagi. Tungstate-Catalyzed Oxidation of Triptans with Hydrogen Peroxide: A Novel Method for the Synthesis of *N,N*-dimethyltryptamine *N*-oxides, *Indian Journal of Chemistry*, **2009**, 48B(1), 134-136. **Impact factor 0.456**, ISSN No. 0376-4699.
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35. P S N Reddy, P Pratap Reddy & **T Vasantha**. Synthesis of 2-quinazolinonyl imidazolidinones, *Indian Journal of Chemistry*, **2003**, 42B(2), 393-396. **Impact factor 0.456**, ISSN No. 0376-4699.
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1. **Prof. Vasantha Mittapelli**, Hand Book on “Advances of 2-heteryl / heteroalkylquinazolin-4(3*H*)-ones”, Larix International Global Research Partner, (2024). DOI: 10.5281/zenodo.13644773, ISBN :13: 978-981-94-1584-7

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